

EAST Search History

| Ref # | Hits | Search Query | DBs | Default Operator | Plurals | Time Stamp |
|-------|------|-----------------------------------------------------------------------------------------------------------|--------------------|------------------|---------|---------------------|
| L1 | 761 | 361/120 | US-PGPUB; USPAT | OR | ON | 2008/12/23 13:29 |
| L2 | 189 | 1 and electrode\$1 and spark\$3 | US-PGPUB; USPAT | OR | ON | 2008/12/23 13:40 |
| L3 | 289 | 361/129 | US-PGPUB; USPAT | OR | ON | 2008/12/23 14:32 |
| L4 | 1386 | 361/117 | US-PGPUB; USPAT | OR | ON | 2008/12/23 14:37 |
| L5 | 177 | 4 and electrode\$1 and spark\$3 | US-PGPUB; USPAT | OR | ON | 2008/12/23 14:37 |
| L6 | 98 | 5 not 2 | US-PGPUB; USPAT | OR | ON | 2008/12/23 14:37 |
| L7 | 0 | 6 not 4 | US-PGPUB; USPAT | OR | ON | 2008/12/23 14:37 |
| L8 | 49 | 6 not "23" | US-PGPUB; USPAT | OR | ON | 2008/12/23 14:37 |
| L9 | 87 | 6 not 3 | US-PGPUB; USPAT | OR | ON | 2008/12/23 14:37 |
| L10 | 2043 | 361/119 | US-PGPUB; USPAT | OR | ON | 2008/12/23 14:42 |
| L11 | 761 | 361/120 | US-PGPUB; USPAT | OR | ON | 2008/12/23 14:42 |
| L12 | 189 | 11 and electrode\$1 and spark\$3 | US-PGPUB; USPAT | OR | ON | 2008/12/23 14:42 |
| L13 | 711 | 361/1 | US-PGPUB; USPAT | OR | ON | 2008/12/23 14:47 |
| L14 | 215 | 361/130 | US-PGPUB; USPAT | OR | ON | 2008/12/23 14:47 |
| L15 | 78 | 14 and electrode\$1 and spark\$3 | US-PGPUB; USPAT | OR | ON | 2008/12/23 14:47 |
| L16 | 289 | 361/129 | US-PGPUB; USPAT | OR | ON | 2008/12/23 14:49 |
| L17 | 88 | 16 and electrode\$1 and spark\$3 | US-PGPUB; USPAT | OR | ON | 2008/12/23 14:49 |
| L18 | 11 | ((electrode\$1) and (spark \$3 near gap\$3) and (transvers\$3 oblique\$4) and (insulat\$4)).clm. | US-PGPUB | OR | ON | 2008/12/23 14:59 |

| | | | | | | |
|-----|------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|----|-----|---------------------|
| S1 | 6 | ((("4433354") or ("4769736") or ("5594613") or ("5604400") or ("6111740") or ("20040246646")).PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/04 12:40 |
| S2 | 4 | ("3657594" "4631453" "4683514").PN. OR ("6111740").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/02/04 12:43 |
| S3 | 15 | ("3649874" "3710191" "3878423" "4015172" "4123682" "4266260" "4407849" "4433354" "4578733" "4583147" "4644441").PN. OR ("4769736").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/02/04 12:53 |
| S4 | 740 | 361/120 | US-PGPUB; USPAT; USOCR | OR | ON | 2008/02/04 12:57 |
| S5 | 138 | S4 and (surge adj arrester) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/02/04 12:57 |
| S6 | 102 | S5 and (electrode electrodes) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/02/04 12:58 |
| S7 | 34 | S6 and (spark near gap) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/02/04 12:58 |
| S8 | 29 | S7 and (insulat\$4) | US-PGPUB; USPAT; USOCR | OR | ON | 2008/02/04 12:58 |
| S9 | 11 | ((RAINER) near2 (DURTH)).INV. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/02/04 13:41 |
| S10 | 2303 | (surge near (suppressor arrester arrester)) | US-PGPUB; USPAT | OR | ON | 2008/02/04 13:54 |
| S11 | 331 | S10 and (spark near gap) | US-PGPUB; USPAT | OR | ON | 2008/02/04 13:54 |
| S12 | 50 | S11 and (transvers\$4) | US-PGPUB; USPAT | OR | ON | 2008/02/04 13:54 |
| S13 | 800 | (surge adj suppressor) (surge adj arrester) | US-PGPUB; USPAT | OR | ON | 2008/02/04 14:37 |
| S14 | 132 | S13 and (electrode\$1) and (spark adj gap) | US-PGPUB; USPAT | OR | ON | 2008/02/04 14:37 |
| S15 | 15 | ("3649874" "3710191" "3878423" "4015172" "4123682" "4266260" "4407849" "4433354" "4578733" "4583147" "4644441").PN. OR ("4769736").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/02/04 15:29 |

| | | | | | | |
|-----|-----|-------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|----|-----|---------------------|
| S16 | 27 | ("3266260" "3588576" "3710191" "3775642" "3780350" "3989985" "4037266" "4187526"). PN. OR ("4433354"). URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/02/04 15:33 |
| S17 | 482 | (discharge adj (space path)) same (transvers\$4) | US-PGPUB; USPAT | OR | ON | 2008/02/04 16:32 |
| S18 | 2 | S17 and ((surge adj arrestor) (surge adj suppressor)) | US-PGPUB; USPAT | OR | ON | 2008/02/04 16:33 |
| S19 | 2 | "US 20070086136" | US-PGPUB; USPAT; USOCR; DERWENT | OR | ON | 2008/02/04 16:56 |
| S20 | 1 | ("4769736").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/05 17:07 |
| S21 | 675 | ((discharge adj path) discharg\$4) same (first adj electrode) same (second adj electrode) same (oblique\$3 opposite) | US-PGPUB; USPAT | OR | ON | 2008/02/17 11:57 |
| S22 | 4 | S21 same (overvoltage) | US-PGPUB; USPAT | OR | ON | 2008/02/17 12:03 |
| S23 | 913 | ((ignition) with (plastic metal ceramic)) same (electrode) | US-PGPUB; USPAT | OR | ON | 2008/02/17 13:07 |
| S24 | 1 | ("7324319").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/02/17 13:13 |
| S25 | 0 | ((ignition) with (plastic) with (benefit)) same electrode\$1 | US-PGPUB; USPAT | OR | ON | 2008/02/17 13:22 |
| S26 | 0 | ((ignition) with (plastic) with (advantage\$4 benefit)) same electrode \$1 | US-PGPUB; USPAT | OR | ON | 2008/02/17 13:23 |
| S27 | 16 | ((ignition) same (plastic) same (advantage\$4 benefit)) same electrode \$1 | US-PGPUB; USPAT | OR | ON | 2008/02/17 13:23 |
| S28 | 5 | ("4266260" "4769736" "5892648").PN. OR ("6362945").URPN. | US-PGPUB; USPAT; USOCR | OR | ON | 2008/09/13 11:40 |
| S29 | 1 | ("7324319").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/09/13 11:46 |

| | | | | | | |
|-----|------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|----|-----|---------------------|
| S30 | 8 | ((("4141681") or ("4402615")).PN. | US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB | OR | OFF | 2008/09/13 11:55 |
| S31 | 1505 | (first adj electrode) and (second adj electrode) and (ignit\$4) and (plastic metal ceeramic) | US-PGPUB; USPAT | OR | ON | 2008/09/13 11:58 |
| S32 | 1629 | (first adj electrode) and (second adj electrode) and (ignit\$4) and (plastic metal ceramic) | US-PGPUB; USPAT | OR | ON | 2008/09/13 11:58 |
| S33 | 1093 | (first adj electrode) and (second adj electrode) and (ignit\$4) and (plastic metal ceramic) and ((discharge near path) (discharge near gap) discharg\$3) | US-PGPUB; USPAT | OR | ON | 2008/09/13 12:00 |
| S34 | 162 | (surg\$3 overvoltage over \$1 voltage) same (electrode\$1 (first adj electrode) (second adj electrode)) same (discharg\$3) same (ignit\$3) | US-PGPUB; USPAT | OR | ON | 2008/09/13 12:25 |
| S35 | 16 | (surg\$3 overvoltage over \$1 voltage) same (electrode\$1 (first adj electrode) (second adj electrode)) same (discharg\$3) same (ignit\$3) same (ceramic metal plastic) | US-PGPUB; USPAT | OR | ON | 2008/09/13 12:25 |
| S36 | 1 | ("4769736").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2008/09/13 14:46 |

12/23/2008 3:16:22 PM

C:\Documents and Settings\dpate12\My Documents\EAST\Workspaces\10596250.wsp